

Rainbow



Old Highway 395



Rainbow Valley West Blvd



Old Highway 395 (south end)

Overview

Low development capacity throughout most of this rural community generates low traffic volumes that reduce the need for constructing new roads or widening existing roads. The only exception is Old Highway 395, where commercial land use, coupled with commuter traffic, produced high traffic volumes. The proposed road network for Rainbow, which is fully supported by the Rainbow Community Planning Group, retains this community's existing network of 2-lane roads. Rainbow's major issue was Old Highway 395, which today is classified as 4-lanes. Staff agreed to reclassify Old Highway 395 to two lanes in conjunction with a land use modification, which was adopted by the Planning Group.

Although GP2020 forecasts show that most roads in Rainbow will have an acceptable level of service, the Rainbow community (Old Highway 395 in particular) may be affected by future commuter traffic from Riverside County. Traffic impacts to Rainbow were neutralized during GP2020 testing by assuming that Interstate 15 will be widened to a 10+2 configuration.

Planning Group Preferences

The Rainbow Planning Group endorsed the Proposed CE Network because it retains the community's 2-lane roads. The community opposes widening roads in Rainbow to 4 lanes to keep the rural character of Rainbow.

Key Issues

Community Character

Rainbow is a rural, agricultural community, dominated by steep slopes in the eastern section of the community. Its low density permitted staff to downgrade existing four-lane CE roads.

Unresolved Traffic Congestion

A segment of Old Highway 395, south of Second Street will operate at LOS E. However, land use changes reduce forecast traffic volumes to 15.6K ADT, which is only 4% over the LOS D threshold. A wider right-of-way will be retained to give the county maximum flexibility to construct road improvements.

Board Alternative Map Network

The Board Alternative Map contains additional commercial and industrial land and the intensified uses generate more traffic volumes on Old Highway 395, Rainbow Valley Boulevard and Rainbow Valley Boulevard West. The projected average daily trips from this area were increased by 10.8K. In order to support the higher intensity commercial use, staff recommends that Old Highway 395 be classified as a four-lane road.

Proposed Land Use Modifications
(Draft Land Use Map)

The Rainbow Planning Group supports the staff recommendation to change 21 acres of General Commercial to a less intensive Rural Commercial designation. This change improved the level of service on Old Highway 395. Environmental constraints (a floodplain and floodway) associated with the commercial properties provided further justification for the Rural Commercial designation. Land within the floodway was given a Semi-Rural Residential designation. The majority of existing uses on the commercial properties conforms to the proposed Rural Commercial designation and is more characteristic of the rural character of Rainbow.

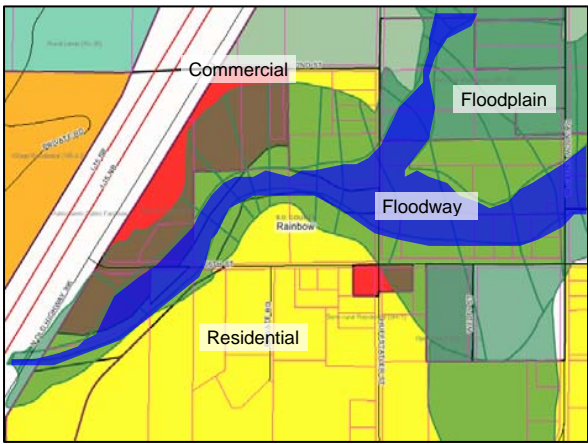
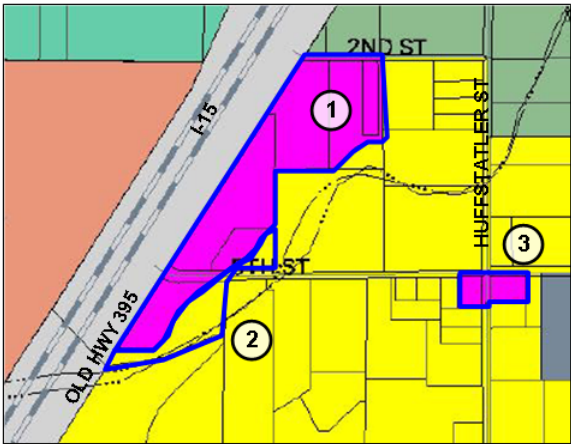
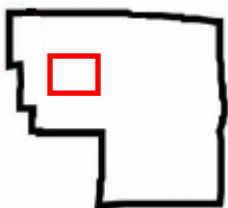


Table of Proposed Land Use Designation Changes

Area #	Acres	Existing General Plan	June 2005 Draft Land Use Map and Board Alternative Map	Staff Recommendation	Planning Group Recommendation
1	19.3	(13) General Commercial	General Commercial	Rural Commercial	Rural Commercial
2	3.7	(13) General Commercial	General Commercial	SR-1	Rural Commercial
3	1.6	(13) General Commercial	General Commercial	Rural Commercial	Rural Commercial

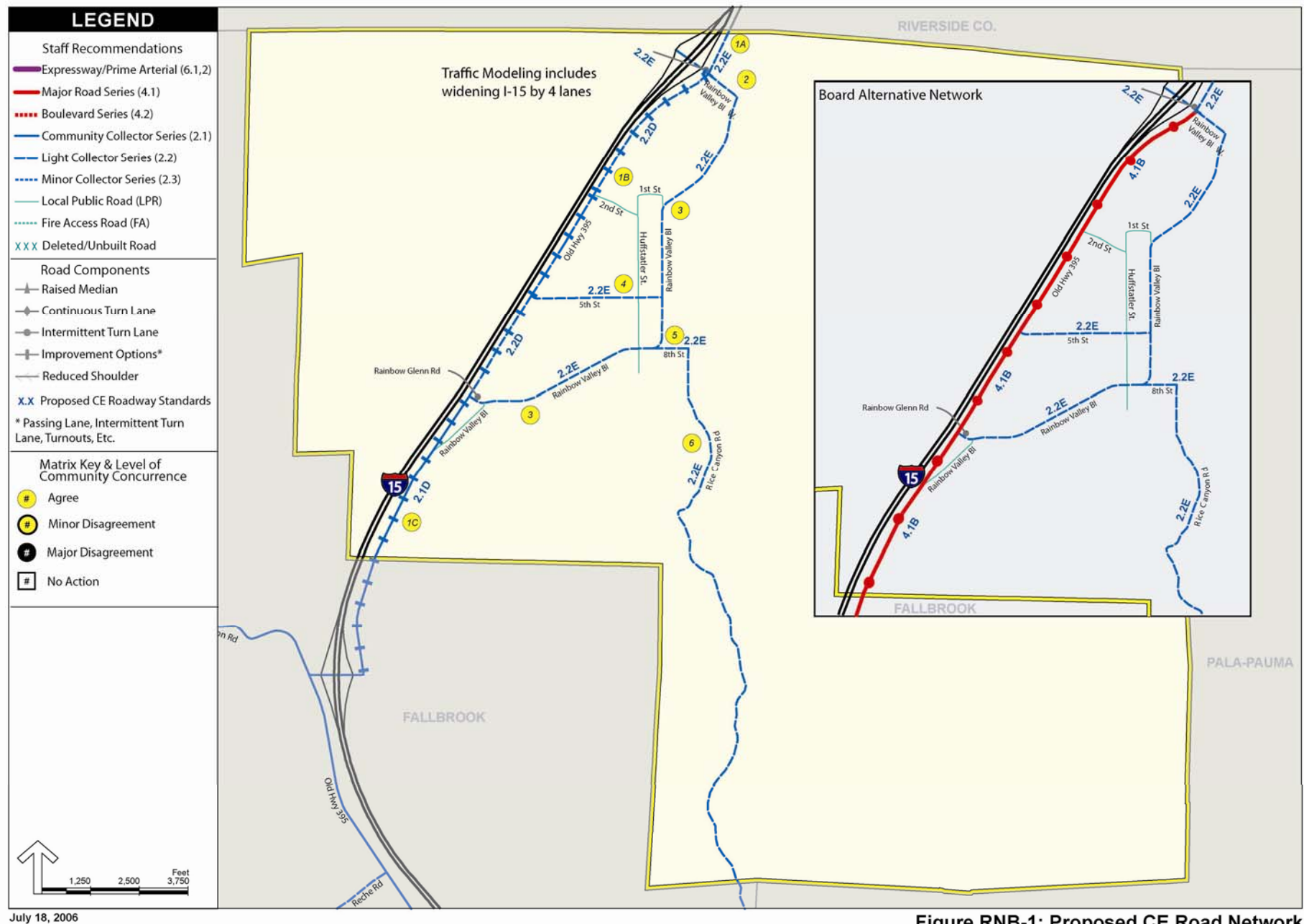


Figure RNB-1: Proposed CE Road Network



July 18, 2006

Figure RNB-2: Level of Service and Average Daily Traffic Volumes - Proposed CE Road Network

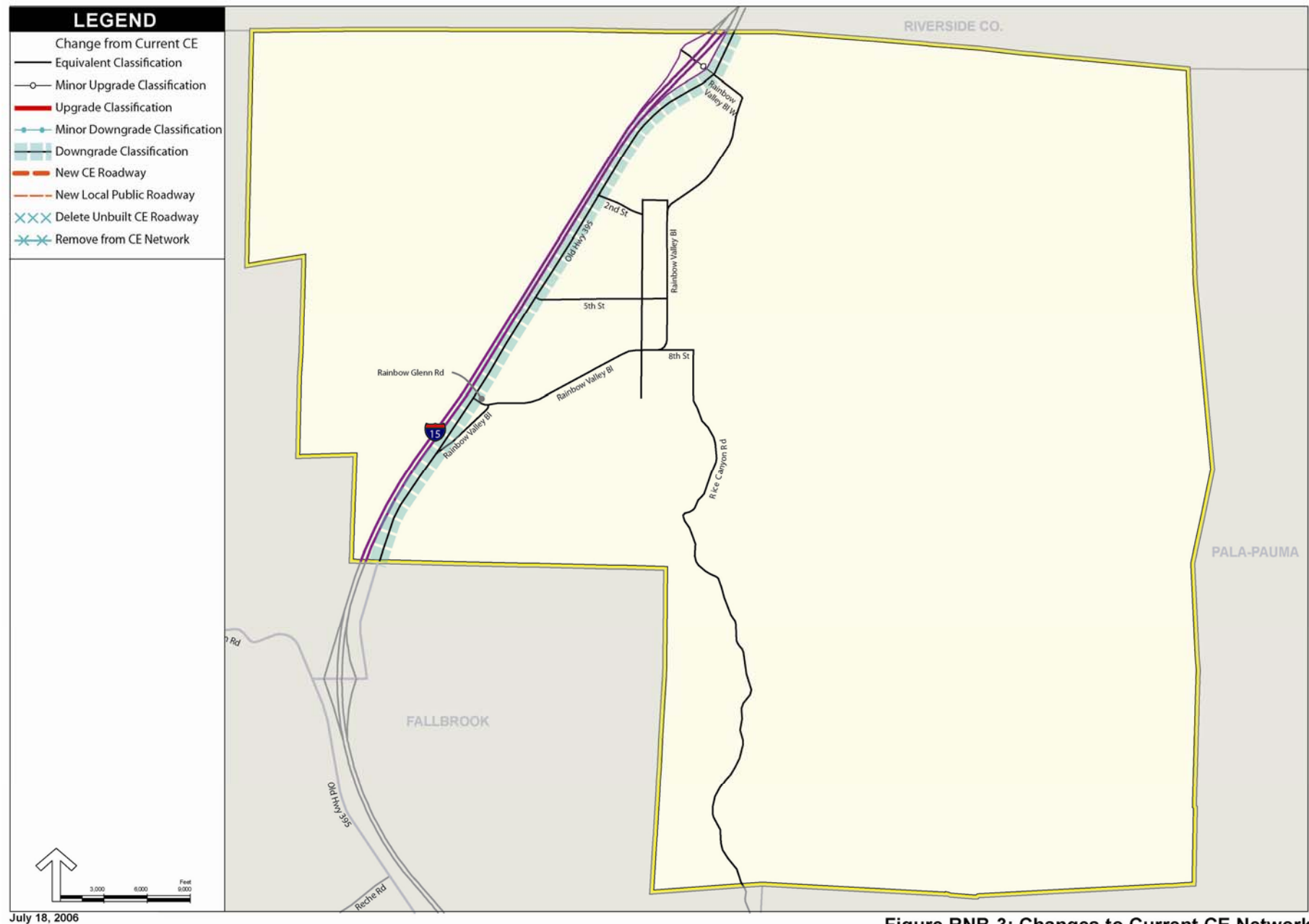


Figure RNB-3: Changes to Current CE Network

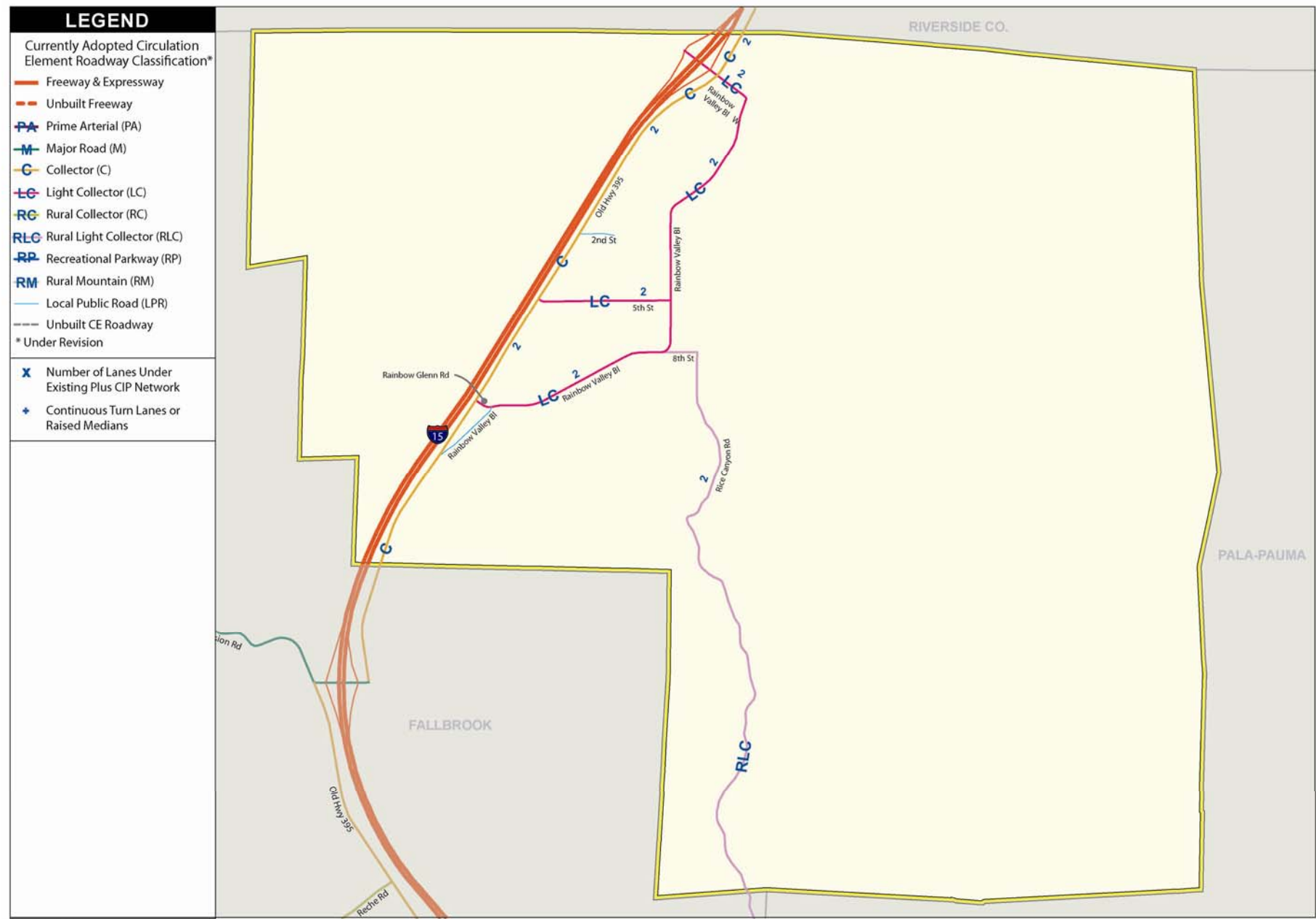


Figure RNB-4: Existing Plus CIP Network

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
1A Old Highway 395 (SA 15) <u>Segment:</u> Rainbow Valley West Boulevard to Riverside County line <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 Lanes)	Downgrade Classification 2.2E Light Collector (2 lanes) with the exception of retaining a wider ROW (84') as the current classification (Collector Road ROW 84')	<ul style="list-style-type: none"> <i>Road Capacity</i> – A two-lane road classification will operate at an acceptable level of service <i>Community Consensus</i> – Community supports a two - lane road
1B Old Highway 395 (SA 15) <u>Segment:</u> Rainbow Valley West Boulevard to Rainbow Glenn Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	<i>Draft Land use Map:</i> Downgrade Classification 2.2D Light Collector with Improvement Options (2+ lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i> – Although a four-lane road is required to operate at LOS D or better, proposed road classification includes a wider ROW. Land Use was modified to reduce traffic congestion in this area. <i>Build Community Consensus</i> – consistent with Rainbow Community Planning Group recommendation <p>Note: Proposed classification will operate at LOS E/F (Forecast volumes are 14.9 - 18.6K ADTs). Proposed land use changes reduced ADTs Highway by 2K, and a wider R.O.W. was retained.</p>
	<i>Board Alternative Map:</i> Equivalent Classification 4.1B Major Road With Intermittent Turn Lanes (4+ Lane)	<ul style="list-style-type: none"> <i>Road Capacity</i> – A four lane classification is needed to produce an acceptable level of service

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
1C Old Highway 395 (SA 15) <u>Segment:</u> Rainbow Glenn Road to Mission Interchange <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	<i>Draft Land use Map:</i> Downgrade Classification 2.1A Community Collector with Raised Median (2+ lanes)	<ul style="list-style-type: none"> Same as I B Note: Proposed improvement will operate at LOS F (Forecast volumes are 17.9 - 18.7K ADTs). Proposed land use changes reduced ADTs by 2 K, and a wider R.O.W. was retained.
	<i>Board Alternative Map:</i> Equivalent Classification 4.1B Major Road With Intermittent Turn Lanes (4+ Lane)	<ul style="list-style-type: none"> <i>Road Capacity</i> – A four lane classification is needed to produce an acceptable level of service
2 Rainbow Valley Boulevard West (SC 160) <u>Segment:</u> Rainbow Valley Blvd to Old Highway 395 <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Light Collector (2 lanes)	Equivalent Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i>- A two-lane road classification will operate at an acceptable level of service Note: CALTRANS - Coordination is required to widen bridge and ramps to accommodate possible Liberty Quarry truck traffic.
3 Rainbow Valley Boulevard/ Rainbow Glen (SC 160) <u>Segment:</u> Intersection of Old Highway 395 to Rainbow Valley Boulevard West <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Light Collector (2 lanes)	Equivalent Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i> – A two-lane road classification will operate at an acceptable level of service.

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
4 Fifth Street (SC 190) <u>Segment:</u> Entire Segment <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Light Collector (2 lanes)	Equivalent Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i> – A two-lane road classification will operate at an acceptable level of service.
5 Eight Street (SC 170) <u>Segment:</u> Rainbow Valley Boulevard to Rice Canyon Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Rural Light Collector (2 lanes)	Equivalent Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i> – A two-lane road classification will operate at an acceptable level of service.
6 Rice Canyon (SC 170) <u>Segment:</u> Eight Street to Fallbrook Community Planning Area boundary <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Rural Light Collector (2 lanes)	Equivalent Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i> – A two-lane road classification will operate at an acceptable level of service <i>Costs / Environmental Constraints</i> – Widening Rice Canyon would be difficult and costly because of severe topographic and environmental constraints